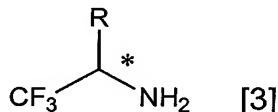


**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A process for producing an optically active 1-alkyl-substituted 2,2,2-trifluoroethylamine represented by the formula [3],  
~~{Chem. 18}~~

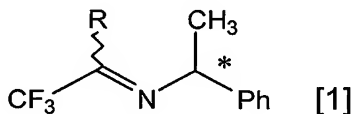


~~{in the formula wherein~~

R represents a lower alkyl group of a carbon number of 1 to 6, and

\* represents an asymmetric carbon  $\text{—}\text{C}\text{—}$ .

or its salt by subjecting an optically active imine represented by the formula [1],  
~~{Chem. 16}~~



~~{in the formula wherein~~

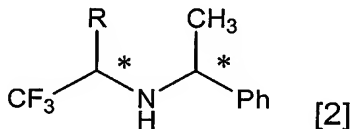
R represents a lower alkyl group of a carbon number of 1 to 6,

Ph represents a phenyl group,

a wave wavy line represents E configuration or Z configuration, and

\* represents an asymmetric carbon  $\text{—}\text{C}\text{—}$ .

to an asymmetric reduction under hydrogen atmosphere using a metal catalyst of Group VIII to convert it into an optically active secondary amine represented by the formula [2],  
~~{Chem. 17}~~



~~in the formula~~ wherein

R represents a lower alkyl group of a carbon number of 1 to 6,

Ph represents a phenyl group, and

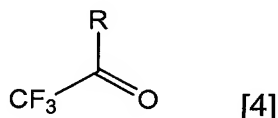
\* represents an asymmetric carbon  $\text{—}\text{C}\text{—}$ .

and then by subjecting the secondary amine or its salt to hydrogenolysis.

2. (currently amended) A production process according to claim 1, ~~which is~~  
~~characterized in that~~ wherein the asymmetric reduction is conducted under a  
temperature condition of not higher than 10°C.

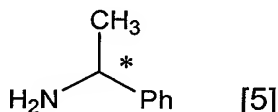
3. (previously presented) A production process according to claim 1, wherein R of  
the optically active imine represented by the formula [1], the optically active  
secondary amine represented by the formula [2] and the optically active 1-alkyl-  
substituted 2,2,2-trifluoroethylamine represented by the formula [3] is a methyl  
group.

4. (currently amended) A production process according to claim 1, wherein the  
optically active imine represented by the formula [1] is an optically active imine  
obtained by subjecting  
a trifluoromethyl alkyl ketone represented by the formula [4]  
[Chem. 19]



~~in the formula~~ wherein

R represents a lower alkyl group of a carbon number of 1 to 6  $\text{—}\text{C}\text{—}$ ,  
and an optically active 1-phenylethylamine represented by the formula [5]  
[Chem. 20]



~~in the formula wherein~~

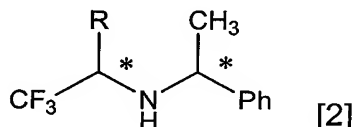
Ph represents a phenyl group, and

\* represents an asymmetric carbon  $\text{—}\text{C}\text{—}$ .

to dehydration and condensation in the presence of an acid catalyst.

5. (currently amended) A purification process characterized in that an optically active secondary amine represented by the formula [2]

~~[Chem. 21]~~



~~in the formula wherein~~

R represents a lower alkyl group of a carbon number of 1 to 6,

Ph represents a phenyl group, and

\* represents an asymmetric carbon  $\text{—}\text{C}\text{—}$ .

is converted into its salt, followed by a recrystallization purification.

6. (currently amended) A purification process according to claim 5, wherein R of the optically active secondary amine represented by the formula [2] is a methyl group, and the salt is a hydrobromide.

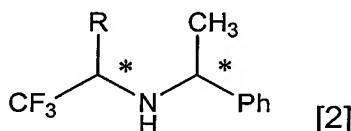
7. (currently amended) A purification process according to claim 5, wherein R of the optically active secondary amine represented by the formula [2] is a methyl group, and the salt is an optically active 10-camphorsulfonate.

8. (currently amended) A process for producing an optically active 1-alkyl-substituted 2,2,2-trifluoroethylamine represented by the formula [3] or its salt, according to claim 1, which is characterized in that, after an optically active secondary amine represented by the formula [2] is obtained by a production process according to claim 1, the secondary amine is purified by ~~a purification~~

~~process according to claim 5~~ converting the secondary amine into its salt,  
followed by a recrystallization purification.

9. (currently amended) An optically active secondary amine represented by the  
formula [2]

~~{Chem. 22}~~



~~{in the formula wherein~~

R represents a lower alkyl group of a carbon number of 1 to 6,

Ph represents a phenyl group, and

\* represents an asymmetric carbon  $\neq$ .

or a salt thereof.

10. (original) An optically active secondary amine according to claim 9, wherein  
R of the optically active secondary amine represented by the formula [2] is a  
methyl group.

11. (original) A hydrobromide of the optically active secondary amine according  
to claim 9, wherein R of the optically active secondary amine represented by the  
formula [2] is a methyl group.

12. (original) An optically active 1-camphorsulfonate of the optically active  
secondary amine according to claim 9, wherein R of the optically active  
secondary amine represented by the formula [2] is a methyl group.